



## LEGEND

- 1991 IFIM Surveys
- 1997 2-foot contour mapping
- August 2002 Survey
- 2002 Water Surface

## CONTROL POINT DATA

I-22 (concrete and pipe)

I-29 -- not found

Northing: 2301133.985

Easting: 6680604.540

Elevation: 124.46'

## TRANSECT DATA

Length (2002): 629.35'  
Length (1991): 393.60'

Azimuth: 81°25'23"  
Azimuth: 81°25'23"

## GAGE DATA (from USGS)

Oroville Gage:

7/9/92: 1020cfs

9/4/02: 658cfs

Gridley Gage:

7/9/92: 978cfs  
9/4/02: 3879cfs

## Notes:

- 1) Land surveys, depth soundings, and velocities for the 1992 IFIM surveys were conducted on July 9, 1992.
- 2) Assumed elevations for the control points were converted to actual elevations by a level survey performed by DWR-Land and Right-of-Way in June 1996.
- 3) The 1997 cross-section was generated from 2-foot contour topographic mapping from the U.S. Army Corps of Engineers (COE) Comprehensive Study. The actual cross-section was generated using Land Developer and AutoCad software.
- 4) The 2002 cross-section was surveyed in June 2002. Coordinates for the IFIM control points were generated using a RTK GPS survey with a Trimble backpack 4700 receiver. Distances and elevations were measured along section with conventional total station surveying equipment.
- 5) Elevations are referenced to the National Geodetic Vertical Datum of 1929 (NGVD29).

STATE OF CALIFORNIA  
DEPARTMENT OF WATER RESOURCES

## Oroville Facilities Relicensing FERC Project No. 2100

SP--G2 -- Task 3  
Appendix C -- Plate 11  
Channel Changes -- 1992 - 2002  
Aleck Riffe -- Transect 1  
RM 62.62



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Filename  
CrossSectionComparisons--Ifim-jhm-